•				_	Docket Number (optional)		Application No.			
-					MAN03		1	0/822,951		
	INF	ORMATION DISCLOSUR	E CITATION		Applicants(s)	,		· · · · · · · · · · · · · · · · · · ·		
		(Use several slices in the	SLA)		Lewis Athanas					
		/	S		Filing Date April 13, 2004		Group Art Uni	2643 Z	, 630	
		(MAY 2 6 2005	U.S. PA	TENT D	OCUMENTS			2000	624	
*Examiner	REF	\ ž . '	4-7	T		<u> </u>		FILING	G DATE	
Initial		DOCUMEN AUMBER PADEMAN	DATE		NAME	CLA	ASS/SUBCLASS		OPRIATE	
THE		4,056,742	11/01/1977	Tibbe	tts	3	10/357			
		6,278,790	08/21/2001	Davis	, et al.	3	881/398			
		6,720,708	04/13/2004	Athan	as	31	0/324			
		4,088,915	05/09/1978	Kodar	na	. 3	10/334			
		4,625,138	11/26/1986	Ballat	0	3	10/320			
		4,454,386	06/12/1984	Koyor	na	1	79/110			
		4,593,160	06/03/1986	Nakar	nura	179/110				
		4,638,207	01/20/1987	Radic	e .	3	310/328			
		4,807,294	02/21/1989	Iwata,	et al.	3	80/190		·	
		4,864,624	09/05/1989	Tichy		3	81/55			
		4,969,197	11/06/1990	Takay	a	:	381/190			
		4,979,219	12/18/1990	Lin			381/190			
		5,031,222	07/09/1991	Takay	a	3	81/190			
		5,115,472	05/19/1992	Park,	et al.	38	81/152	-		
		5,193,119	03/09/1993	Tontir	ni, et al.	3	81/182			
me		5,388,160	02/07/1995	L	moto, et al.	3	81/71			
			FOREIGN	PATEN'	T DOCUMENTS					
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLA	SS/SUBCLASS	TRANS	NO	
me		WO 98/28942	07/02/1998	PCT	· · · · · · · · · · · · · · · · · · ·	H04R	7/06			
		OTHER DOC	UMENTS (Inclu	ding Aut	hor, Title, Date, Pertinent F	Pages, E	tc.)	<u>L</u>		
European Search Report dated April 26, 2005, 6 pages										
EXAMIN	L.	with. Com	Keth	DATE C	ONSIDERED 7-5	-09	}	•		
		tial if reference considered whether the Copy of this form with next comm	er or not station is in nunication to applica	conforma nt	nce with MPEP 609; Draw line	through c	citation if not in c	onformance	and not	

	INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Docket Number (optional MAN03		plication No. 10/822,951		
					Applicants(s)	•	<u> </u>		
•					Lewis Athanas Filing Date		Group Art Unit		
					April 13, 2004			,2615 28	34
·			U.S. PA	TENT C	DOCUMENTS				
*Examiner Initial	REF	DOCUMENT NUMBER	DATE		NAME .	CL	ASS/SUBCLASS	FILING IF APPRO	
tm		5,428,832	,832 06/27/1995 Nohara, et al.		4	455/296			
	5,473,214 12/05/1995 Hildel		brand	3	310/321				
		5,524,058	06/04/1996	Mosel	eley		381/71		
		5,526,421	06/11/1996	Berge	Berger, et al.		379/389		
		5,615,270	03/25/1997	Mille	Miller, et al.		381/57		
		5,638,456	06/10/1997	Conle	ey, et al.	3	381/190		
		5,642,332	06/24/1997	Chan	g, et al.	:	367/165		
		5,684,884	11/04/1997	Nakay	ya	3	881/190		
		5,711,058	01/27/1998	Frey	Frey		9/25.35		
		5,736,808	04/07/1998	Szilaş	Szilagyi)/322		
		5,575,827	05/12/1998	Takah	nashi	6	55/141		
		5,780,958	07/14/1998	Strug	ach, et al.	3	10/348		
		5,802,195	09/01/1998	Regar	n, et al.	3	881/190		
		5,825,902	10/20/1998	Fujish	nima	35	81/190		
		5,828,768	10/27/1998	Eatwe	ell, et al.	3	381/333		
190		5,901,231	05/04/1999	Parell	la, et al.	3	81/86		
			FOREIGN	PATEN	T DOCUMENTS			.1	
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CL	ASS/SUBCLASS	TRANSL	ATION
						- 1			
		OTHER DO	CUMENTS (Incl)	uding Av	othor, Title, Date, Pertino	ent Pages, I	Etc.)		
EXAM	EV	Th ()	1.1	DATE	CONSIDERED	3 .0	6		
		1	genery.	Ь		2 -			

			Docket Number (optional)		Application No.					
			MAN03	MAN03 10/822						
. •	INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicants(s) Lewis Athanas					
					Filing Date April 13, 2004		Group Art Uni	1 <i>26</i> 13 28	20	
			U.S. PA	TENT D	OCUMENTS			1000 06	77	
*Examiner	REP	DOCUMENT NUMBER	DATE		NAME	G.4	ASS/SUBCLASS	FILING	DATE	
Initial	ial		*			IF APPRO	PRIATE			
CAL		5,977,688	11/02/1999	Utsun	omiya 	31	0/316.01			
		6,023,123	02/08/2000	Petiet		31	0/316.01	<u> </u>		
		6,064,746	05/16/2000	Nakai	akamura 381/		81/351			
		4,352,961	10/05/1982	Kuma	Kumada, et al.		179/110			
		4,680,800	07/14/1987	Bank,	et al.	3	381/194			
		5,473,214	12/05/1995	Hilde	brand	3	310/321			
		5,638,454	06/10/1997	Jones	, et al.		381/71			
		5,638,456	06/10/1997	Conley, et al.		3	81/190			
		5,652,801	07/29/1997	Paddock		3	81/190			
		5,828,768	10/27/1998	Eatwell, et al.		3	81/333			
		5,901,231	05/04/1999	Parrel	la, et al.		381/86			
		6,031,926	02/29/2000	Azim	a	3	81/423			
		6,058,196	05/02/2000	Heror	1	3	81/152			
		6,144,746	11/07/2000	Azim	a, et al.	3	81/152		9	
		6,151,402	11/21/2000	Azim	a, et al.	3	81/396			
-4	9	6,181,797	01/30/2001	1	a, et al.		381/86			
		_	FOREIGN	PATEN	T DOCUMENTS					
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CIT	ASS/SUBCLASS	YES	NO	
									-	
	l	OTHER DO	CUMENTS (Incl.	Iding Au	thor, Title, Date, Pertinent	l Pages F	Etc.)	<u> </u>		
		T								
DV				T = -	ONORDO		·			
EXAMIN	21.	man JU KZ	and later	DATE	CONSIDERED 7-5	-0	•			
			The same							

· ·	Docket Number (optional) Application			tion No.							
					10/822,951						
INFORMATION DISCLOSURE	INFORMATION DISCLOSURE CITATION					Applicants(s)					
(Use several sheets if necessa	ry)		Lewis Athanas								
			Filing Date		Group Art Uni						
			April 13, 2004			2643 28	24				
	U.S. PA	TENT D	OCUMENTS				,				
*Examiner Initial REF DOCUMENT NUMBER	DATE		NAME	CLA	ASS/SUBCLASS	i .	G DATE OPRIATE				
1111 6,188,775	02/13/2001	Azima	a, et al.	381/431							
6,195,440	02/02/2001	Warna	aka, et al.	3	81/190	ļ					
6,198,831	03/06/2001	Azima	a, et al.	3	81/338						
6,215,881	04/10/2001	Azima	Azima, et al.		381/152						
6,215,882	04/10/2001	Heron		3	381/152						
6,215,884	04/10/2001	Parell	a, et al.	3	81/190						
6,243,473	06/05/2001	Azima	Azima, et al.		381/152						
6,247,551	06/19/2001	Heron	Heron		81/173						
			-								
						ŧ					
					W						
	FOREIGN	PATEN'	T DOCUMENTS		-						
REF DOCUMENT NUMBER	DATE		COUNTRY	CLA	ASS/SUBCLASS	TRANS	LATION NO				
		-				TES	NO				
OTHER DOC	IIMENTS (Inclu	ding Aut	thor, Title, Date, Pertinent P	Pages E	tc)						
	Olympia for friend		mor, ritte, Date, retinient i	ages, L	——————————————————————————————————————						
James M. Keepl	47	DATE C	7-5	-0	5						
*EXAMINER: Initial if reference considered whether considered. Include Copy of this form with dext comm	r or not of ation is in	conforma	nce with MPEP 609; Draw line			conformance	and not				

		• • •		Docket Number (optional) Application No.					
6				MAN03 '	٠.	ļ	0/822,951		
	INF	ORMATION DISCLOSUR	CITATION		Applicants(s)				
		(Use several sheets if necessa	AAAO O //IIID		Lewis Athanas				
•		B	MAN U . Loca	/.	Filing Date		Group Art Uni	t /	
		lg.	ي. ر	?	April 13, 2004			2643 7	63.4
		<u> </u>	TRADESIA	TENT D	OCUMENTS				
*Examiner				Ι				FILING	DATE
luitial	REF	DOCUMENT NUMBER	DATE		NAME	CLA	SS/SUBCLASS	IF APPRO	PRIATE
7		6,522,760	02-18-2003	Azima	a, et al.	3	81/152		
			1					ļ	
			· ·						
								ļ ·	
					,			ľ	
								† · · · ·	
			<u> </u>			<u> </u>		 	
								ľ	
								· ·	
								<u> </u>	
		1							
			FOREIGN	PATEN'	T DOCUMENTS			<u> </u>	
- 1			1 0 1 2 1 0 1 1	1			.,	TRANSL	ATION
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLA	SS/SUBCLASS	YES	NO
	17								
									
				, a					
									
		·						<u> </u>	
		OTHER DOC	UMENTS (Inclu	iding Aut	thor, Title, Date, Pertinent I	Pages, E	tc.)		
									·
							· · · · · · · · · · · · · · · · · · ·		
				·					
EXAMIN	TA	S. //	1.	DATE	CONSIDERED	-	_		
7	L	wh M. Vig	MIL	l	7-5	-0			
*EXAMIN	NER: In	itial if reference considered, thethe	r or not dation is it	conforma	nce with MPEP 609; Draw line	through	citation if not in	conformance	and not
considered	d. Includ	e Copy of this form with new comm	nunication to applica	int					

17. .

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

MAN03

Application Number

// 27295

LEWIS

Filing Date

Application Number

// 27295

Group Art Unit

U.S. PATENT DOCUMENTS

APRIL 13, 2004

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MO	1	5,608,282	3/4/97	WILBER ET AL	505	211	
	2	5,767,612	6/16/98	TAKEUCHI ET AL	310	324	
	3	5,867,302	2/2/99	FLEMING	359	291	
	4	4,352,961	10/5/82	KUMADA ET AL	179	110A	
	5	5,652,801	7/29/97	PADDOCK	381	190	
	6	6,003,766	12/21/99	AZIMA ET AL	235	379	
	7	5,283,835	2/1/94	LEWIS S. ATHANAS	381	190	
	8	4,170,742	10/1979	ITAGAKI ET AL	310	324	
	9	4,578,613	3/1986	Posthuma de Boer et al	310	800	·
3	10	6,218,766	4/2001	WARNAKA ET AL	310	322	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY CLAS	CLASS	SUBCLASS	Translation	
 					OUBCEROS	YES	NO
	.,,		·				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Harris, Neil, "The Distrubuted-Mode Loudspeaker (DML) as a Broad-Band Acoustic Radiator", Audio Engineering Society Preprint 4526 (D-6); Presented at the 103rd Convention 1997 September 26-29, New York.

EXAMPLEMENT . Complete

DATE CONSIDERED

7.5.05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.